REMARKS

Claims 1-20 remain pending in the application.

Allowed claims 10-20

The Applicant thanks the Examiner for the indication of allowance of claims 10-20.

Objection to the Disclosure

The disclosure was objected to because of a noted informality-in particular, a typographical error in the equations on pages 5, 8, 9 and 13.

It appears that the Examiner has overlooked the Preliminary Amendment filed on June 5, 2001, which corrected each of these typographical errors. A courtesy copy of that Preliminary Amendment, filed almost 3 years ago, is attached hereto.

It is respectfully requested that the objection be withdrawn.

Claims 1-9 under 35 USC 112, second paragraph

Claims 1-9 were rejected under 35 USC 112, second paragraph, for allegedly reciting disconnected parts.

Claims 1-9 have been carefully reviewed, and are amended appropriately herein to be in better conformance with 35 USC 112. In particular, claim 1, from which claims 2-9 depend, is amended herein to recite that the plurality of multiple degree subfilters are grouped into a multiple degree polynomial subfilter, using language similar to that of allowed claim 10.

Claims 1-9 being in full compliance with 35 USC 112, it is respectfully requested that the rejection now be withdrawn.

FREDRICKSON – Appl. No. 09/851,380

Conclusion

All objections and rejections having been addressed, it is respectfully submitted that the subject application is in condition for allowance and a Notice to that effect is earnestly solicited.

Respectfully Submitted,

William H. Bollman Reg. No. 36,457

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

FREDRICKSON Group Art Unit: unknown

Serial No.: 09/851,830 Examiner: unknown

Filed: May 9, 2001 Attorney Docket No.: 20-134

Title: MULTI-RATE REED-SOLOMON ENCODERS

June 5, 2001

PRELIMINARY AMENDMENT

RECEIVED

Director of the US Patent & Trademark Office Washington, DC 20231

JUN 0 7 2004

Technology Center 2100

Sir:

Prior to action in the above-captioned application, please amend the application as follows:

IN THE SPECIFICATION:

Please correct the typographical errors in the formula on page 5, at line 6 with:

$$H(D) = \frac{Y(D)}{X(D)} = 1 + \frac{1}{\sum_{i=0}^{p} g_i D^{p-i}} = 1 + \prod_{i=0}^{p-1} H_i(D),$$

Please correct the typographical errors in the formula on page 5, at line 9 with:

$$H_i(D) = \frac{1}{1 + \alpha^{i+j} D}$$



Please correct the typographical errors in the formula on page 8, at line 17 with:

$$F(D) = \prod_{i=0}^{p-1} H_i(D)$$

Please correct the typographical errors in the formula on page 9, at line 11 with:

$$F(D) = \prod_{i=0}^{p-1} H_i(D)$$

Please correct the typographical errors in the formula on page 9, at line 13 with:

$$F_1(D) = \prod_{i=14}^{21} H_i(D), and$$

Please correct the typographical errors in the formula on page 9, at line 15 with:

$$F_2(D) = \prod_{i=22}^{23} H_i(D)$$

Please correct the typographical errors in the formula on page 13, at line 12 with:

$$P_0(D) = \frac{1}{1+D}$$

Please correct the typographical errors in the formula on page 13, at line 16 with:

$$P_i(D) = \frac{1}{(1+\alpha^i D)(1+\alpha^{-1}D)} = \frac{1}{1+(\alpha^i + \alpha^{-i})D+D^2}$$

REMARKS

Early and favorable action on the merits is respectfully requested.

Respectfully submitted,

William H. Bollmar Reg. No. 36,457

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